

# APPARATUS AND METHODS FOR MOTION AND PROXIMITY ENHANCED REMOTE IDENTITY BROADCAST WITH BIOMETRIC AUTHENTICATION

## Abstract

Apparatus and methods for motion and proximity enhanced remote identity broadcast with biometric authentication are described. An apparatus according to the invention includes an authentication element that receives a biometric characteristic from a user. The authentication element broadcasts an authorization signal in response to identifying the user. The apparatus further includes a device communicator in wireless communication with the authentication element and in electrical communication with a computing device. The device communicator permits the user to access the computing device in response to receiving the authorization signal broadcasted by the authentication element. In one embodiment, the apparatus also includes a sensor that is attached to the authentication element or the device communicator. The sensor generates a sensor signal that is related to a status of at

least one of the authentication element, the device communicator,  
and the computing device.